WHAT IS CLAIMED IS:

1. An imprinting material for use in imprint lithography comprising:

a composition having a viscosity associated therewith and including a surfactant, a polymerizable component, and an initiator responsive to a stimuli to vary said viscosity in response thereto, with said composition, in a liquid state, having said viscosity being lower than about 100 centipoises, a vapor pressure of less than about 20 Torr, and in a solid cured state a tensile modulus of greater than about 100 MPa, a break stress of greater than about 3 MPa and an elongation at break of greater than about 2%.

- 2. The imprinting material as recited in claim 1 wherein said surfactant comprises a non-ionic surfactant.
- 3. The imprinting material as recited in claim 1 wherein said surfactant comprises a fluorinated surfactant
- 4. The imprinting material as recited in claim 1 wherein said surfactant comprises a fluorinated non-ionic surfactant.
- 5. The imprinting material as recited in claim 1 wherein said monomer is selected from a set of monomers consisting essentially of epoxies, acrylates, methacrylates and vinyl ethers.

- 7. The imprinting material as recited in claim 1 wherein said monomer is selected from a set of polymerizable component containing silicon therein.
- 8. The imprinting material as recited in claim 1 wherein said monomer is a substituted acrylate.
- 9. The imprinting material as recited in claim 1 wherein said monomer is a silicon-containing acrylate.
- 10. The imprinting material as recited in claim 1 wherein said monomer is selected from a set of substituted acrylates consisting essentially of mono-substituted acrylates and multifunctional-substituted acrylates.
- 11. The imprinting material as recited in claim 1 wherein said initiator is selected from a set of initiators consisting essentially of photo initiators and thermal initiators.
- 12. The imprinting material as recited in claim 1 wherein said initiator is selected from a set of initiators consisting essentially of radical photoinitiators.
- 13. The imprinting material as recited in claim 1 wherein said viscosity in said liquid state is less than about 25 centipoises.
- 14. The imprinting material as recited in claim 1 wherein said viscosity in said liquid state is less than about 10 centipoises.

- 15. The imprinting material as recited in claim 1 wherein said viscosity in said liquid state is less than about 5 centipoises.
- 16. The imprinting material as recited in claim 1 wherein said vapor pressure is lower than about 5 Torr.
- 17. The imprinting material as recited in claim 1 wherein said vapor pressure is lower than about 2 Torr.
- 18. The imprinting material as recited in claim 1 wherein said tensile modulus is 100 MPa or greater.
- 19. The imprinting material as recited in claim 1 wherein said break stress of about 3 MPa or greater.
- 20. The imprinting material as recited in claim 1 wherein said elongation at break is 8% or more.